

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims, in the application.

### Listing of Claims

Claim 1 (currently amended): An electrochemical cell comprising an insulating substrate, and a plurality of layers, said layers comprising at least two conducting layers, wherein one of said conducting layers is a working electrode, said working electrode in contact with at least one reagent, and at least two insulating layers, wherein ~~said at least two conducting layers are separated by~~ said insulating substrate or ~~by~~ at least one of said at least two insulating layers is interposed between said at least two conducting layers, wherein each major surface of each conducting layer is in contact with a major surface of said insulating substrate or a major surface of at least one of said at least two insulating layers.

Claim 2 (currently amended): The electrochemical cell of claim 1, wherein said electrochemical cell comprises two conducting layer layers and two insulating layers.

Claim 3 (original): The electrochemical cell of claim 2, further including a third conducting layer and a third insulating layer.

Claim 4 (canceled)

Claim 5 (currently amended): The electrochemical cell of ~~claim 4~~ claim 1, wherein ~~said at least two conducting layers function as working electrodes~~ further including a second working electrode.

Claim 6 (original): The electrochemical cell of claim 5, wherein said working electrodes are capable of determining the presence of, or the concentration of, the same analyte.

Claim 7 (original): The electrochemical cell of claim 5, wherein said working electrodes are capable of determining the presence of, or the concentration of, different analytes.

Claim 8 (currently amended): The electrochemical cell of claim 1, wherein ~~at least one conducting layer functions as~~ one of said at least two conducting layers is a counter electrode.

Claim 9 (currently amended): The electrochemical cell of claim 1, wherein ~~at least one conducting layer functions as~~ one of said at least two conducting layers is a reference electrode.

Claim 10 (currently amended): The electrochemical cell of claim 1, wherein ~~at least one conducting layer functions as~~ one of said at least two conducting layers is a dual-purpose reference/counter electrode.

Claim 11 (original): The electrochemical cell of claim 1, further having at least one passage formed in each of the conducting layers and insulating layers, the passage capable of receiving a liquid sample.

Claim 12 (original): The electrochemical cell of claim 11, said at least one passage has a volume not exceeding 1 microliter.

Claim 13 (original): The electrochemical cell of claim 11, wherein said passage has a regular shape.

Claim 14 (original): The electrochemical cell of claim 11, wherein said passage has an irregular shape.

Claim 15 (canceled)

Claim 16 (currently amended): The electrochemical cell of ~~claim 15~~ claim 1, wherein said at least one reagent is an enzyme.

Claim 17 (currently amended): The electrochemical cell of ~~claim 15~~ claim 1, wherein said at least one reagent is integral with said ~~at least one~~ conducting layer working electrode.

Claim 18 (original): The electrochemical cell of claim 1, wherein the thickness of each conducting layer does not exceed 100 micrometers.

Claim 19 (original): The electrochemical cell of claim 1, wherein the thickness of each insulating layer does not exceed 100 micrometers.

Claim 20 (currently amended): The electrochemical cell of claim 1, wherein said ~~at least two conducting layers are separated by~~ said insulating substrate is interposed between two conducting layers.

Claim 21 (currently amended): The electrochemical cell of claim 1, wherein said ~~at least two conducting layers are separated by~~ at least one insulating layer is interposed between two conducting layers.